EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified Complete on Section F for each project	20. EXAMPLE PROJECT KEY NUMBER
	X

Pier F Repairs Norfolk Naval Base, Norfolk, VA	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
	2007	2008

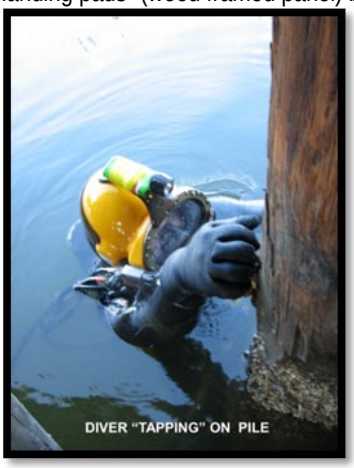
23. PROJECT OWNERS INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
PWD Norfolk, NAVFAC Mid-Atlantic	Jennifer Britt, EIT	(757) 444-1138 ext 3143

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost):

This project was awarded as a design-build contract to Pipeline Industrial Group. The facility is used primarily by contracted privae tug companies that are providing services to the Navy. Liberty Engineering provided design services to Pipeline's major subcontractor, Marine Contracting Corporation. Marine Contracting is a longtime Liberty Engineering client with whom we have completed over $25 million dollars worth of design build construction. Their project role in construction mirrored Liberty Engineering's design scope of work. This included: Removal and replacement of all wood framing for deck including pile caps, stringers, deck, curbs and fender system wales. An enhanced framing design for mooring cleats was provided in lieu of replacement in kind, which had been determined as inadequate. Based on the underwater survey by Seaward Marine, selected timber pilings are to be removed and new piles provided. Construction of a replacement fender system was not included in the construction portion of the contract but Liberty Engineering provided design of options for fender system replacements for selection by the Navy. Two fender systems were designed as additive alternates to the contract- a replacement of the traditional wood fender pile system and an improved fender system consisting of "tug landing pads" (wood framed panel) backed by rubber fender blocks anchored to the deck.

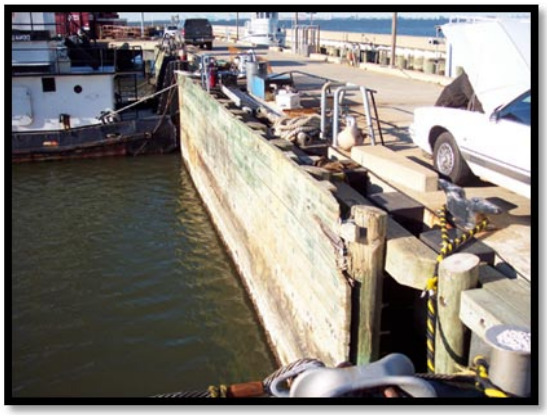
Existing Pier F, Deck



Diver

Deteriorated Pile

Detail of Tug Pad



Tug Pad Similar to Proposed for Pier F

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION	(3) ROLE
a.	Liberty Engineering, PC	Virginia Beach, VA	Lead Design Firm, Structural Engineer
b.	Waterway Survey & Engineering	Virginia Beach, VA	Toppgraphic Surveying,
c.	GeoEnvironmental Resources, Inc	Virginia Beach, VA	Project Geotechnical Engineer